

Proposal Full View

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Applicant Information

Organization Name City of San Marcos *

Tax ID 952259585

Proposal Name City of San Marcos–San Marcos Creek Floodway Improvement Project *

Proposal Objective This Proposition 1E Stormwater Flood Management Grant Proposal contains one project: the San Marcos Creek Floodway Improvement Project. This project addresses flooding, water supply, water quality, and other issues within San Marcos Creek, a perennial stream channel located adjacent to the City of San Marcos's downtown district. The San Marcos Creek District within the City of San Marcos is significantly impacted by a lack of proper flood control infrastructure. In times of heavy rain, the disadvantaged community surrounding San Marcos Creek becomes engulfed in water. Additionally, flooding within this area creates negative impacts on the immediate ecosystems, agriculture, and water quality of receiving water bodies such as Lake San Marcos. Currently, Lake San Marcos is facing severe sediment and nutrient imbalance issues as a result of the flood waters entering this water body from unrestricted stormwater flows. Furthermore, Lake San Marcos and San Marcos Creek are both listed as impaired on the San Diego Regional Water Quality Control Board's list of impaired water body segments (303(d) List). The objective of this proposal is to contain the 100-year storm flows within the channelized area of San Marcos Creek so that disadvantaged areas adjacent to the creek are removed from the floodplain. These activities would serve to reduce negative impacts on nearby Lake San Marcos and surrounding ecosystems due to excessive stormwater runoff. The project would restore native riparian vegetation within the regraded channel in order to increase nutrient uptake and reduce sediment flowing downstream into Lake San Marcos. These water quality improvements would also serve to improve water quality within and around Lake San Marcos so as to improve the reliability and quality of local water supply sources. *

Budget

Other Contribution	\$0.00
Local Contribution	\$6,079,129.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$6,079,129.00 *
Total Project Cost	\$12,158,258.00 *

Geographic Information

Latitude *	DD(+/-) 33 MM 55 SS 56	
Longitude *	DD(+/-) -117 MM 10 SS 59	
Longitude/Latitude Clarification	Values are presented in degrees, minutes, and seconds	Location San Diego IRWM Region
County		San Diego *
Ground Water Basin		San Marcos Area
Hydrologic Region		South Coast
Watershed	Carlsbad	

Legislative Information

Assembly District	74th Assembly District *
Senate District	38th Senate District *
US Congressional District	District 50 (CA) *

Project Information

Project Benefits Information

Project Name San Marcos Creek Floodway Improvement Pro

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	112.93	The purpose of this project is to contain 100-year flood flows within the channelized area of San Marcos Creek so that areas adjacent to the creek are removed from the floodplain. These activities would also serve to reduce negative impacts associated with stormwater runoff from impairing downstream water bodies and ecosystems that are part of the region's local supply source. The project would restore native riparian vegetation within the regraded channel

			in order to increase nutrient uptake and reduce sediment flowing downstream into Lake San Marcos.
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Budget

Other Contribution	0
Local Contribution	6079129
Federal Contribution	0
Inkind Contribution	0
Amount Requested	6079129
Total Project Cost	12158258

Geographic Information

Latitude DD(+/-)	33	MM 55	SS 56
Longitude DD(+/-)	-117	MM 10	SS 59
Longitude/Latitude Clarification	Values are presented in deg	Location	San Diego IRWM Reg

County	San Diego
Ground Water Basin	San Marcos Area
Hydrologic Region	South Coast
WaterShed	Carlsbad

Legislative Information

Assembly District	74th Assembly District
Senate District	38th Senate District
US Congressional District	District 50 (CA)

Section : Applicant Information Question Tab**APPLICANT INFORMATION QUESTION TAB****Q1. PROPOSAL DESCRIPTION**

Provide a brief abstract of the Proposal, including a listing of individual project titles or types.

The City of San Marcos is committed to implementing the goals and objectives established in the San Diego IRWM Plan through implementation of the San Marcos Creek Floodway Improvement Project. This project would provide multiple benefits to the region, including flood management, water supply reliability, water quality improvements, and habitat enhancement within San Marcos Creek. The San Marcos Creek Floodway Improvement Project would construct floodway improvements along the north and south side of San Marcos Creek to alleviate flooding hazards in the project area. These activities would serve to reduce negative impacts on nearby Lake San Marcos and surrounding ecosystems due to excessive stormwater runoff. The project would restore native riparian vegetation within the regraded channel in order to increase nutrient uptake and reduce sediment flowing downstream into Lake San Marcos. Lake San Marcos and San Marcos Creek are part of the San Diego region's local water supply system, which serve agricultural and recreational purposes in the form of golfing. Lake San Marcos and its tributary, San Marcos Creek, are listed on the San Diego RWQCB's list of impaired water bodies for nutrients, ammonia, phosphorous, dichlorodiphenyldichloroethylene (DDE), and sediment toxicity. These water quality impairments could potentially render Lake San Marcos and San Marcos Creek unusable as local water supply sources, or may require that water from these bodies is treated at a water quality treatment plant prior to being used. The project components of the San Marcos Creek Floodway Improvement Project described above will provide many local and regional benefits. Containing 100-year flood flows within the San Marcos Creek channel will directly reduce flood-related impacts on the local community, which is primarily a disadvantaged community adjacent to San Marcos Creek. In addition, reducing flood impacts will also benefit the City of San Marcos, who spends substantial amounts of money and effort to address and repair flood damage on an annual or semi-annual basis. Containing 100-year flood flows will also reduce stormwater runoff within San Marcos Creek and Lake San Marcos, which will reduce pollutants and sediment from entering these water bodies. In addition, creek restoration and improvement activities will provide additional water quality benefits by increasing nutrient uptake and reducing sedimentation. Water quality benefits will in turn provide water supply, recreational, and habitat/creek restoration benefits to San Marcos Creek and Lake San Marcos. Current water quality impairments within these water bodies threaten their viability and reliability as local supply sources, and could potentially require alternative means of treatment to improve. In addition, these water bodies are both associated with local riparian ecosystems and provide beneficial uses associated with recreation. The San Marcos Creek Floodway Improvement Project intends to improve the water quality of these water bodies by reducing stormwater flows, implementing best management practices, addressing hydromodification effects, and restoring habitat that will serve to uptake nutrients and reduce sedimentation.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Michael Edwards Director of Engineering City of San Marcos 1 Civic Center Drive San Marcos, CA 92069 (760)744-1050 medwards@san-marcos.net

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Paul Vo Principle Civil Engineer City of San Marcos 1 Civic Center Drive San Marcos, CA 92069 (760)744-1050 pvo@san-marcos.net

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

City of San Marcos 1 Civic Center Drive San Marcos, CA 92069 Lisa Fowler (760)744-1050 ext.3248 lfowler@san-marcos.net

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

The project is located within the San Diego Funding Area.

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD (S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

http://www.waterboards.ca.gov/waterboards_map.shtml

The San Diego IRWM Region lies within the San Diego Regional Water Quality Control Board (Region 9).

Q7. ELIGIBILITY

Is the application from an IRWM planning region approved in the RAP (See Section II B, Table 1)? If yes, include the name of the IRWM planning region. If not, explain.

Yes. The application is for a proposal within the San Diego IRWM Region, which was approved in the 2009 RAP cycle.

Q8. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

Yes. As described in Attachment 1, the City of San Marcos is a local agency as described in Appendix B of the Guidelines.

Q9. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q10 and Q11.

No urban water suppliers will receive funding from this proposed grant.

Q10. ELIGIBILITY

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

No. The City of San Marcos is not an urban water supplier.

Q11. ELIGIBILITY

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

No. The City of San Marcos is not an urban water supplier.

Q12. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

No.

Q13. ELIGIBILITY

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section IIIB of the Grant Guidelines?

N/A.

Q14. ELIGIBILITY

Does the applicant have a Stormwater Resources Plan developed pursuant to Part 2.3 (commencing with Section 10560) of Division 6 of the Water Code, or an IRWM Plan that includes the Stormwater Resources Plan requirements specified in Section 10562 of the Water Code? Please answer yes or no. If yes, please answer Question 15 or 16, as applicable.

- a) Yes
- b) No

Q15:

ELIGIBILITY

For applicants with a Stormwater Resources Plan, does that Plan meet the standards set forth in Part 2.3 of Division 6 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

Q16:**ELIGIBILITY**

For applicants with an IRWM Plan, does that Plan include the Stormwater Resources Plan requirements specified in Section 10562 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

**NOTES TO BMS
ADMINISTRATOR**

Provide notes about any potential problems you may have had with BMS that are particular to your application.

Section : Application Attachments Tab**APPLICATION ATTACHMENTS TAB****ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY
REQUIREMENTS**

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att1_SWF_CityofSanMarcos_Eligible_1of1.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

**ATTACHMENT 2: ADOPTED PLAN AND PROOF OF FORMAL
ADOPTION**

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att2_SWF_CityofSanMarcos_Adopt_1of1.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

**ATTACHMENT
3: WORK PLAN**

Upload the Work Plan here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att3_SWF_CityofSanMarcos_WorkPlan_1of1.pdf

Upload additional work plan components here.

Upload additional work plan components here.

Upload additional work plan components here.

Upload additional work plan components here.

**ATTACHMENT 4:
BUDGET**

Upload the Budget here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att4_SWF_CityofSanMarcos_Budget_1of1.pdf

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

**ATTACHMENT 5:
SCHEDULE**

Upload the Schedule here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att5_SWF_CityofSanMarcos_Schedule_1of1.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_SWF_CityofSanMarcos_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

ATTACHMENT 7: ECONOMIC ANALYSIS - FLOOD DAMAGE REDUCTION COSTS AND BENEFITS

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_SWF_CityofSanMarcos_DReduc_1of1.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

ATTACHMENT 8: ECONOMIC ANALYSIS - WATER SUPPLY COSTS AND BENEFITS

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_SWF_CityofSanMarcos_WSBen_1of1.pdf

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

ATTACHMENT 9: WATER QUALITY AND OTHER EXPECTED BENEFITS

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_SWF_CityofSanMarcos_WQOtherBen_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

ATTACHMENT 10: COSTS AND BENEFITS SUMMARY

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10_SWF_CityofSanMarcos_CBSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

ATTACHMENT 11: PROGRAM PREFERENCES

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att11_SWF_CityofSanMarcos_Preference_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

ATTACHMENT 12: AB1420 AND WATER METER COMPLIANCE INFORMATION

Upload AB1420 and Water Meter Compliance Information here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att12_SWF_CityofSanMarcos_AB1420_1of1.pdf

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

ATTACHMENT 13: STORMWATER RESOURCES PLAN

This attachment is only necessary if the applicant has an existing Stormwater Resources Plan, pursuant (commencing with Section 10560) of Division 6 of the Water Code and answered "yes" to Q15 or Q16.

The summary text must be no more than 5 pages in length using a minimum of 10-point type font. Excerpts from the Plan must not exceed 15 pages.

Attachment 13 must provide the following:

Identify and include portions of the applicable Plan that demonstrate all of the standards of Part 2.3 (commencing with Section 10560) of Division 6 of the CWC.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.